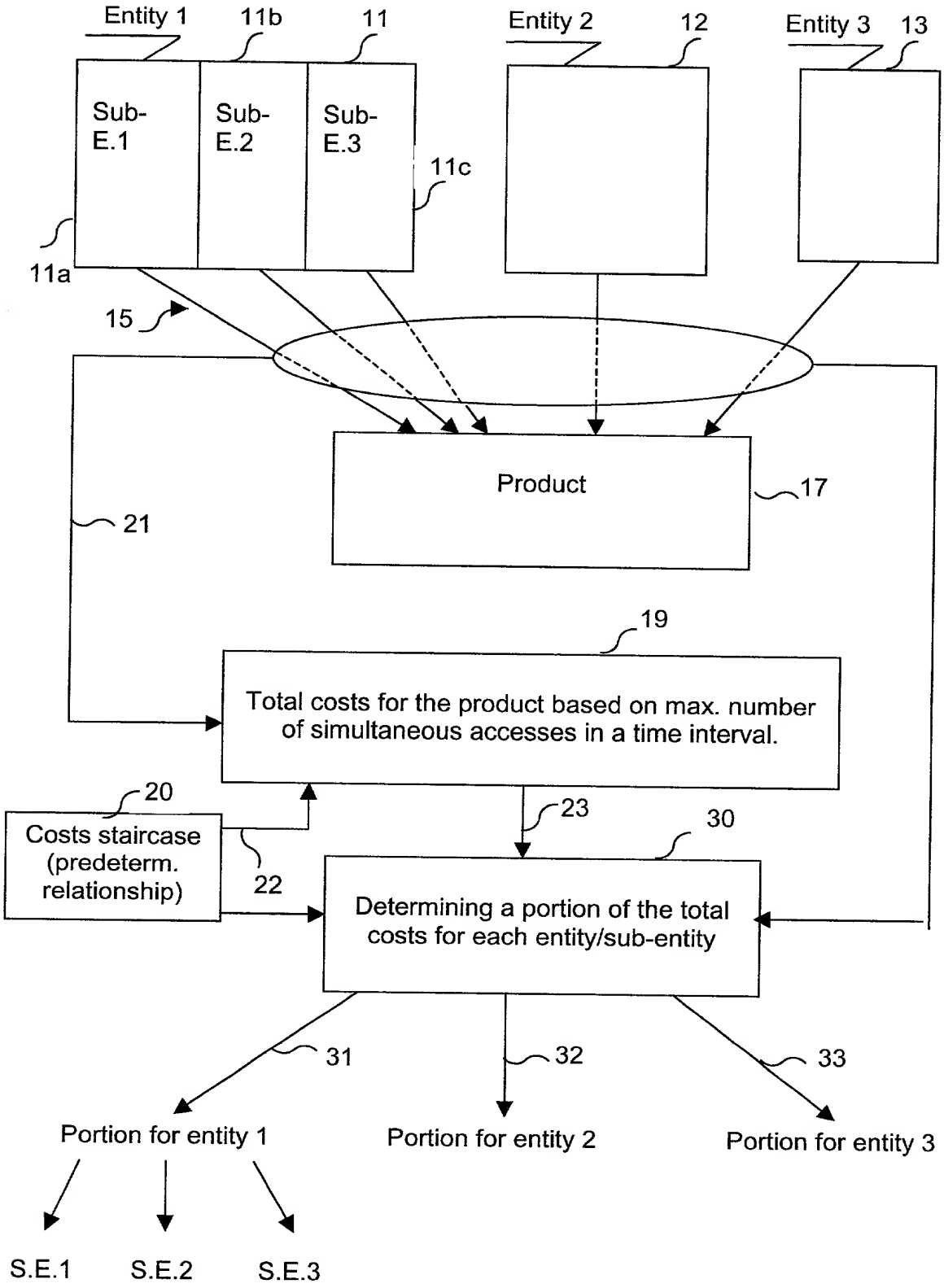

Entity 1
11b
11
Entity 2
12
Entity 3
13
Sub-E.1
Sub-E.2
Sub-E.3
11c
11a
15
Product
17
21
19
Total costs for the product based on max. number of simultaneous accesses in a time interval.
20
Costs staircase (predeterm. relationship)
22
23
30
Determining a portion of the total costs for each entity/sub-entity
31
32
33
Portion for entity 1
Portion for entity 2
Portion for entity 3
S.E.1
S.E.2
S.E.3

FIG 1

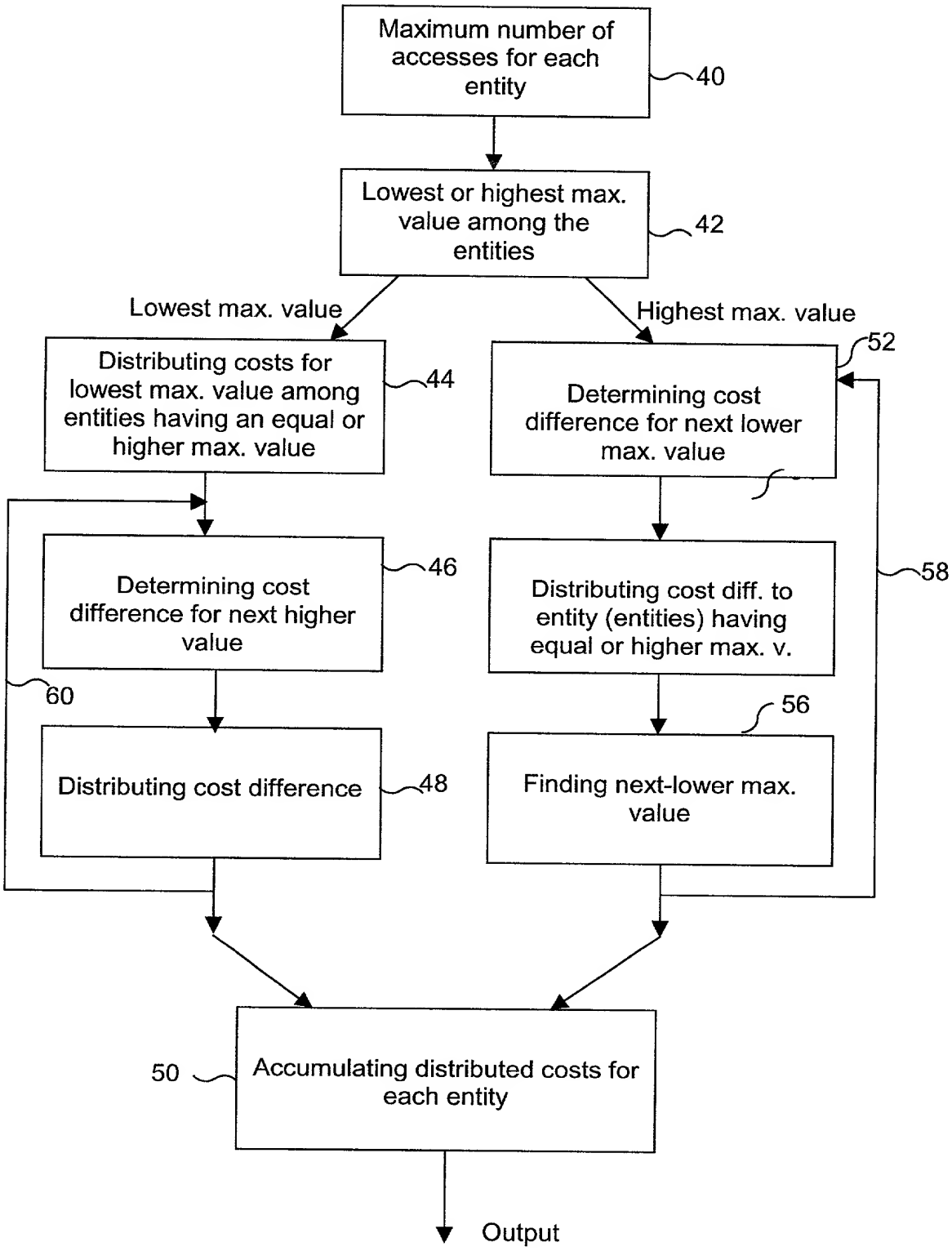

Maximum number of accesses for each entity
40
Lowest or highest max. value among the entities
42
Lowest max. value
Highest max. value
Distributing costs for lowest max. value among entities having an equal or higher max. value
44
Determining cost difference for next lower max. value
52
Determining cost difference for next higher value
46
Distributing cost diff. to entity (entities) having equal or higher max. v.
58
60
Distributing cost difference
48
Finding next-lower max. value
56
50
Accumulating distributed costs for each entity
Output

FIG 2

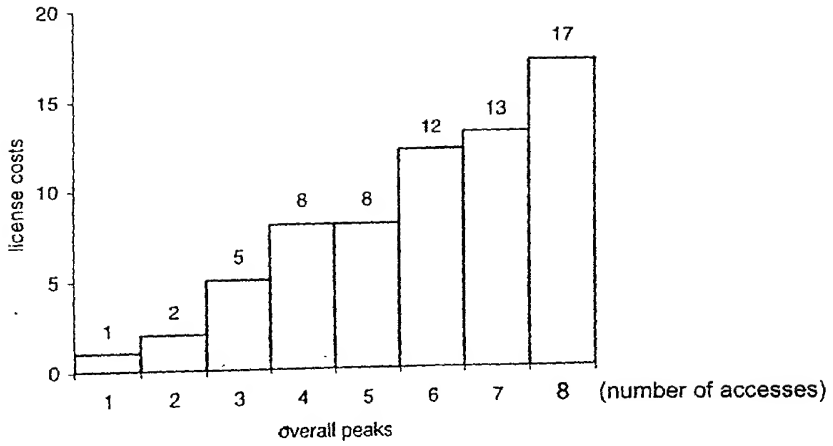
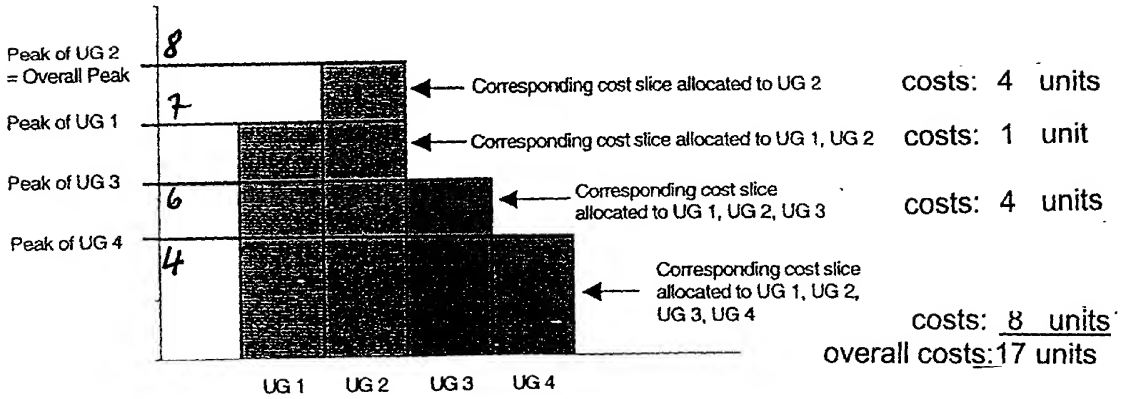


FIG 3

n → p = n max



UG 2: 7,833 units
UG 1: 3,833 units
UG 3: 3,33 units
UG 4: 2 units
17 units

FIG 4

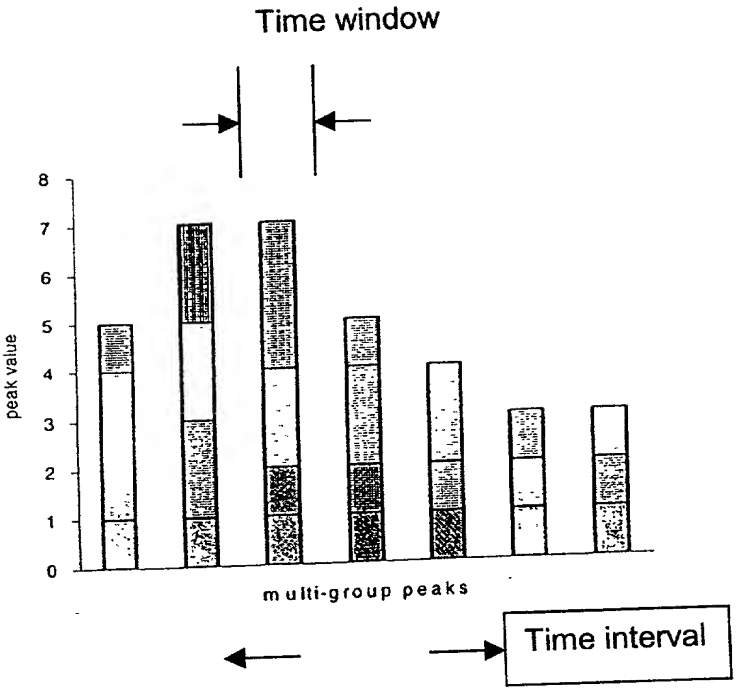

Time window
peak value
8
7
6
5
4
3
2
1
0
multi-group peaks
Time interval

FIG 5

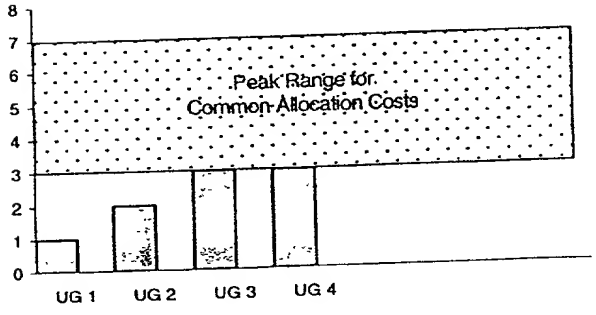

8
7
6
5
4
3
2
1
0
Peak Range for
Common Allocation Costs
UG 1
UG 2
UG 3
UG 4

FIG 6

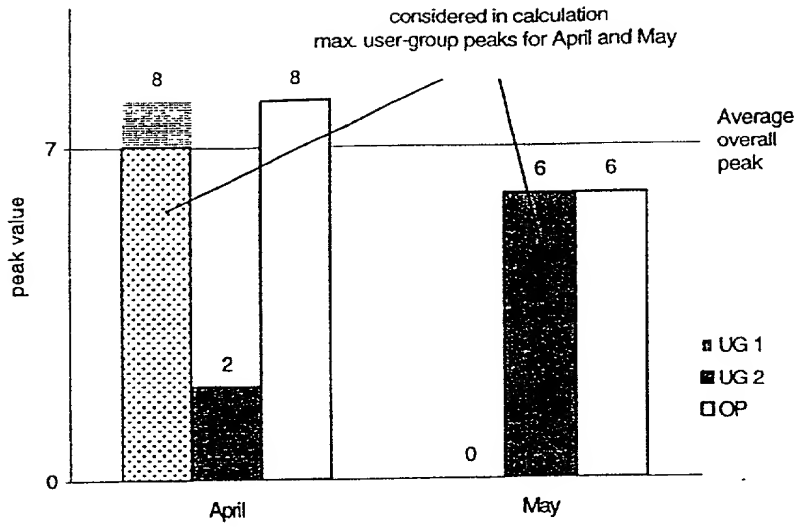
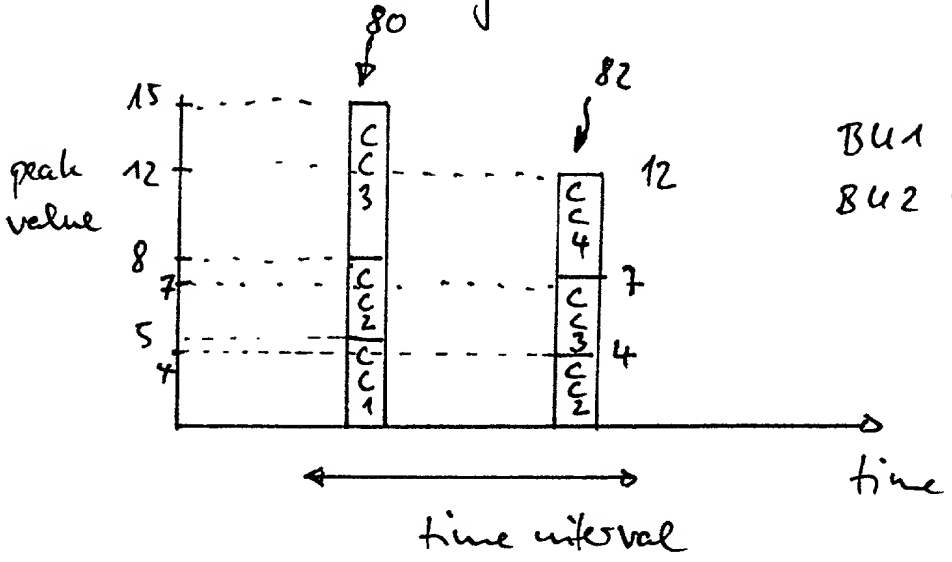
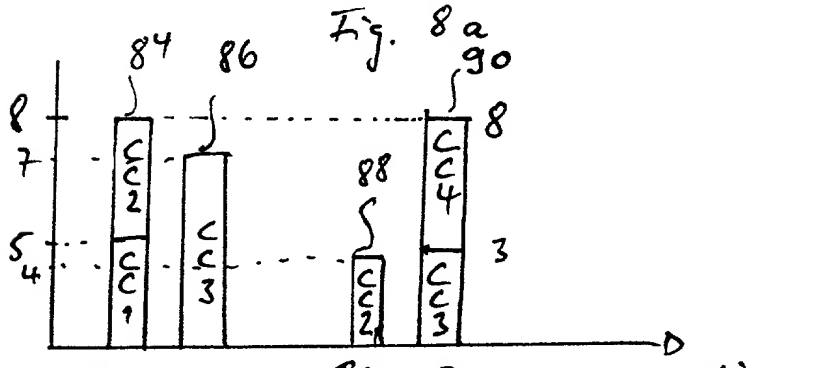


Fig. 7



BU1 : CC1, CC2
BU2 : CC3, CC4

Fig. 8a



from peak 80 Fig. 8b from peak 82